

Patent Abstracts of Japan

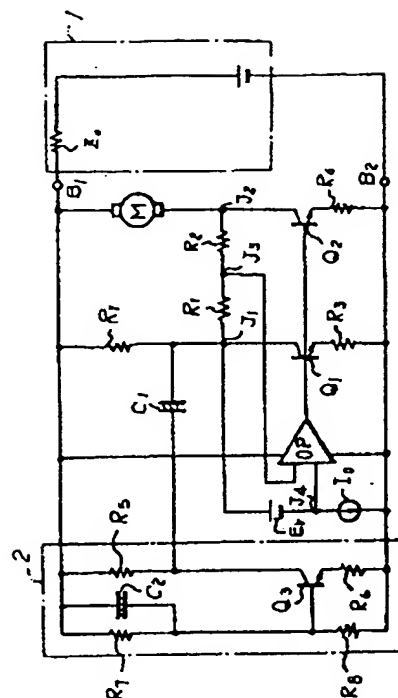
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 PATENTEE : PIONEER KK
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INVENTOR : ISHIZUKA KAZUNORI

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TITLE : CONTROL DEVICE FOR
 PROPORTIONAL CURRENT CONTROL
 TYPE DCMOTOR



ABSTRACT : PURPOSE: To suppress the ripple component for a power source by superposing the ripple component of the power source inverted in phase on the voltage drop due to proportional resistor.
 CONSTITUTION: An inverting amplifier 2 inverts the phase, amplifies and outputs the ripple components produced at the power supply terminal B1 due to the internal impedance Z_0 of a DC power source 1 and the load variation in the DC motor M. This output voltage is supplied through an AC coupling capacitor C_1 to the terminal J1 of a proportional resistor R_T . An operational amplifier OP controls transistors Q_1 , Q_2 in response to the deviation between the potential difference between the terminal J1 and J2 varying in response to the variation in the load of the DC motor and a reference voltage. In this manner, the ripple voltage capable of being produced on power supply terminal B1 can be sufficiently suppressed.

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